

**AN** - 2001-641995 [74]  
**AP** - KR20000052287 20000905; JP20000037980 20000216  
**CPY** - UENO-N  
 - UENO-N  
**DC** - D22 E36 J04  
**DR** - 1278-P 1278-U 1711-P 1711-U 1757-P 1757-U 1966-P 1966-U  
**FS** - CPI  
**IC** - B01J21/06 ; B01J27/14 ; B01J27/182 ; B01J35/02  
**MC** - D09-B E31-K05A E31-K05C E31-P05C E34-D03 E35-K02 J04-E04 N01-B N01-D02  
 N03-B01 N04-B  
**M3** - [01] A220 C730 M411 M720 M782 M904 M905 N104 Q261 Q421 R023; RA0140-K  
 RA0140-M RA0140-P  
 - [02] B115 B701 B713 B720 B815 B831 C101 C108 C800 C802 C804 C805 C807  
 M411 M720 M782 M904 M905 M910 N104 Q261 Q421 R023; R01711-K R01711-M  
 R01711-P; 1711-P 1711-U  
 - [03] A422 A940 C108 C550 C730 C801 C802 C803 C804 C805 C807 M411 M720  
 M782 M904 M905 M910 N104 Q261 Q421 R023; R01966-K R01966-M R01966-P;  
 1966-P 1966-U  
 - [04] A220 A940 C106 C108 C530 C730 C801 C802 C803 C805 C807 M411 M720  
 M782 M904 M905 M910 N104 Q261 Q421 R023; R01278-K R01278-M R01278-P  
 R05243-K R05243-M R05243-P; 1278-P 1278-U  
 - [05] A220 A940 B115 B701 B713 B720 B815 B831 C108 C802 C803 C804 C805  
 C807 M411 M720 M782 M904 M905 M910 N104 Q261 Q421 R023; R01757-K  
 R01757-M R01757-P RA00D3-K RA00D3-M RA00D3-P; 1757-P 1757-U  
 - [06] A111 A940 B114 B701 B702 B712 B713 B720 B831 B832 C408 C802 C803  
 C804 C805 C807 M411 M720 M782 M904 M905 N104 Q261 Q421 R023; RA06Q9-K  
 RA06Q9-M RA06Q9-P  
**PA** - (UENO-N) UENO KOGYO KK  
 - (UENO-N) UENO IND CO LTD  
**PN** - KR2001081935 A 20010829 DW200215 B01J21/06 000pp  
 - JP2001224966 A 20010821 DW200174 B01J35/02 005pp  
**PR** - JP20000037980 20000216  
**XA** - C2001-190212  
**XIC** - B01J-021/06 ; B01J-027/14 ; B01J-027/182 ; B01J-035/02  
**AB** - JP2001224966 NOVELTY - The titanium oxide photocatalyst component  
 comprises a sublayer which contains titanium oxide as main component,  
 compound containing phosphorus, calcium and silicon, and water, formed  
 on a holding unit which fixes the titanium oxide as photocatalyst. An  
 upper layer which contains titanium oxide, trace amount of catalytic  
 activity promoting agent and water, is formed on the sublayer.  
 - DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for  
 manufacture of the photocatalyst component which involves mixing  
 titania (TiO<sub>2</sub>), calcium carbonate (CaCO<sub>3</sub>) and water, and adding  
 calcium phosphate (Ca<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>). Then, sodium silicate (Na<sub>2</sub>SiO<sub>3</sub>) and  
 suitable amount of water are mixed, and the obtained liquid having  
 moderate viscosity is applied to the holding unit. The coating is  
 evaporated to dryness for forming the sublayer. A solution comprising  
 titania, trace amount of photocatalytic activity promoting agent and  
 water is coated on the whole surface of the sublayer to form the upper  
 material.  
**ICC** - A titanium oxide photocatalyst component.